

ABSTRACT

The invention relates to the use of block copolymers, obtained by controlled radical polymerization in the presence of alkoxyamine derivatives of substituted nitroxides, for the production of perfectly transparent acrylic films with the mechanical properties required for the applications envisaged, whereby the transparency thereof remains under mechanical stress and a wide temperature range. The total thickness is between 40 and 300 microns, preferably 70 to 90 microns. The film has a haze of less than 2 and elongation at breakage of more than 90%.